

ZHDANOV, D. A.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Zhdanov, D. A.	"General Anatomy and Physiology of Lymphatic Systems"	Surgical Society of Pigorov

BO: W-30604, 7 July 1954

ZHDANOV, D.A., professor; SHCHELKUNOV, S.I., professor.

Resolution of the plenary session of the Administration of the All-Union Scientific Society of Anatomists, Histologists and Embryologists of June 23-27, 1953, pertaining to problems of Soviet morphology. Arkh.anat.gist.i embr. 31 no.1:90-91 Ja-Mr '54. (MLRA 7:4)

1. Predsedatel' Pravleniya Vsesoyuznogo nauchnogo obshchestva anatomov, gistologov i embrilogov (for Zhdanov). 2. Otvetstvennyy sekretar' Pravleniya Vsesoyuznogo nauchnogo obshchestva anatomov, gistologov i embrilogov (for Shchelnkunov).

(Morphology)

ZHDANOV, D.A., professor; SHCHELKUNOV, S.I., professor.

Resolution of the plenary session of the Administration of the All-Union Scientific Society of Anatomists, Histologists and Embriologists of June 23-27, 1953, pertaining to reports on new methods and techniques of morphological research, Arkh.anat.gist.i embr, 31 no.1: 91-93 Ja-Mr '54. (MLRA 7:4)

1. Predsedatel' Pravleniya Vsesoyuznogo nauchnogo obshchestva anatomov, gistologov i embriologov (for Zhdanov). 2. Otvetstvennyy sekretar' Pravleniya Vsesoyuznogo nauchnogo obshchestva anatomov, gistologov i embriologov (for Shchelkunov).

(Morphology)

ZHDANOV, D.A.

Answer to critics. Arkh. anat. gist. i embr. 31 no.2:75-85
Ap-Je '54. (MLRA 7:8)

1. Chlen-korrespondent AMN SSSR.
(LYMPHATIC SYSTEM,
*anat. & physiol.)

ZHDANOV, D.A.

Significance of V.P.Vorob'ev's works in the development of Soviet anatomy. Arkh.anat.gist. i embr. 31no.3:69-75 J1-S '54.(MLRA 7:12)

1. Is kafedry anatomii (sav. chlen-korrespondent AMN SSSR prof. D.A.Zhdanov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(ANATOMY, history,

in Russia, contribution of V.P.Vorob'ev)

(BIOGRAPHIES,

Vorob'ev, Vladimir P.)

ZHDANOV, D.A., professor.

New data on the anatomy of the gastric and duodenal lymphatic system in man. Vest.khir.74 no.2:19-28 Mr '54. (DLRA 7:4)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR.
2. Iz kafedry anatomii (zaveduyushchiy - professor D.A.Zhdanov) Leningradskego sanitarno-gigiyenicheskogo meditsinskogo instituta. (Duodenum) (Stomach) (Lymphatics)

evaluation K-2816, 8 Sep 54

ZHDANOV, D.A.

New data on the anatomy of the lymphatic system within the internal organs. Arkh. anat. gist. i embr. 32 no.3:28-34 J1-S '55.

(MLRA 9:5)

1. Iz kafedry normal'noy anatomii (zav.-prof. D.A. Zhdanov)
Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.
(LYMPHATIC SYSTEM, anatomy and histology,
intra-organic system of internal organs)

DOLGO-SABUROV, B.A.,; ZHDANOV, D.A.

The Sixth International Congress of Anatomists. Arkh. anat. gist.
i embr. 32 no.4:96-101 O-D '55. (MLRA 9:5)

(ANATOMY--CONGRESSES)

DOIGO-SOBUROV, B.A., professor, redaktor; GERBIL'SKIY, N.L., redaktor;
GRIGOR'YEVA, T.A., redaktor; YELISEYEV, V.G., redaktor; ZEDANOV,
D.A., redaktor; KNOPPE, A.G., redaktor KUPRIYANOV, V.V., redaktor;
MIKHAYLOV, V.P., redaktor; PRIVESA, M.G., redaktor; STUDITSKIY, A.N.,
redaktor; SHCHELKUNOVA, S.I., redaktor; KHARASH, G.A., tekhnicheskii
redaktor

[Problems in the morphology of the nervous system] Problemy morfologii
nervnoi sistemy [Leningrad] Gos. izd-vo med. lit-ry, Leningradskoe
otd-nie, 1956. 179 p. (MIRA 10:2)

1, Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Dolgo-Soburov)
(NERVOUS SYSTEM)

BASHENIN, V.A., red.; ZHDANOV, D.A., prof., red.; ANDREYINA-GALANINA, Ye.TS.,
prof., red.; ANICHKOV, S.V., prof., red.; BABAYANTS, B.A., prof.,
red.; KLIONSKIY, Ye.Ye., prof., red.; SMIRNOV, A.V., prof.,
zasluzhennyy deyatel' nauki, red.; TIKHOMIROV, P.Ye., prof., red.;
UDINTSEV, G.N., prof., red.; TSINZERLING, V.D., prof., red.;
SHCHEMLKUNOV, S.I., prof., red.; GESSSEN, A.I., dots., red.

[Instructions on conducting laboratory and field work for a course
in epidemiology] Metodicheskie ukazaniya k prakticheskim zaniatiyam
studentov po kursu epidemiologii. Moskva, Gos. Izd-vo med. lit-ry,
1956. 189 p. (Leningrad. Sanitarno-gigienicheskiy meditsinskiy
institut. Trudy, vol.38). (MIRA 11:4)

1. Zaveduyushchiy kafedroy epidemiologii Leningradskogo sanitarno-
gigienicheskogo meditsinskogo instituta (for Bashenin). 2. Chlen-
korrespondent AMN SSSR (for Zhdanov, Babayants, TSinzerling,
Shchemlkunov). 3. Deystvitel'nyy chlen AMN SSSR (for Anichkov).
4. Chlen-korrespondent AMN SSSR i AN KazSSR (for Udintsev).

(EPIDEMIOLOGY--STUDY AND TEACHING) (MIRA 11:4)

ZHDANOV, Dimitriy Arkad'yevich, red.

[Problems in the functional morphology of the motor apparatus;
materials of the plenary session of the All-Union Society of
Anatomists, Histologists, and Embryologists, June 22-26, 1954]
Problemy funktsional'noi morfologii dvigatel'nogo apparata;
materialy plenuma pravleniia Vsesoiuznogo nauchnogo obshchestva
anatomov, gistologov i embriologov 22-26 iunია 1954 g., Lenin-
grad. Leningrad, Medgiz, 1956. 196 p. (MIRA 13:8)
(MOVEMENT (PHYSIOLOGY))

ZHDANOV, D.A.; MOROZOV, G.M.; KUPRIYANOV, P.A.; MEL'NIKOV, A.V.;
SMIRNOV, A.V.; NAPALOV, P.N.

Arkadii Iulianovich Sozon-Iaroshevich; obituary. Vest.khir. 77
no.5:132-133 My '56. (MLEA 9:8)
(SOZON-IAROSHEVICH, ARKADII IULIANOVICH, 1894-1955)

ZHDANOV, D.A.

V.M.Bekhterev's legacy and modern problems in brain anatomy. Arkh.
anat. gist. i embr. 34 no.3:3-12 My-Je '57. (MLRA 10:10)

1. Adres avtora: Moskva, Mokhovaya, 11, kafedra anatomii I Moskovskogo
ordena Lenina meditsinskogo instituta.

(NEUROPHYSIOLOGY

contribution of V.M.Bekhterev (Rus))

(BRAIN, anat. & histol.

same)

ZHDANOV, D.A. (Moskva, D-47, 5-ya Tverskaya Yamskaya, d.5, stroeniye 2,
kv. 12)

Forty years of Soviet anatomy and its current tasks. Arkh.anat.
gist. 1 embr. 34 no.6:3-16 H-D '57. (MIRA 11:3)
(ANATOMY
in Russia)

ZHDANOV, D.A., red.

Nomina anatomica [International anatomical nomenclature; adopted by the Sixth International Anatomical Congress in Paris, July 30, 1955, and approved by the executive board of the All-Union Society of Anatomists, Histologists, and Embryologists in Kharkov, June 18, 1956] Mezhdunarodnaia anatomicheskaiia nomenklatura; utverzhdenaia VI Mezhdunarodnym federativnym kongressom anatomov v Parizhe 30 iulia 1955 g. i odobrennaia pravleniem Vsesoiuznogo nauchnogo obshchestva anatomov, gistologov i embriologov v Khar'kove 18 iunia 1956 g.. Moskva, Medgiz, 1958. 75 p. (MIRA 12:4)
(ANATOMY--TERMINOLOGY)

VOROB'YEV, Vladimir Petrovich, 1876-1937; ZHDANOV, D.A., red.; SINEL'NIKOV,
R.D., red.

[Selected works] Izbrannye trudy. Leningrad, Medgiz, 1958. 344 p.
(SELECTED WORKS) (MIRA 12:2)

EXCERPTA MEDICA SEC 5 Vol 12/6 Gen. Fath. June 59

1433. FUNCTIONAL ANATOMY OF THE VISCERAL LYMPHATICS - L'anatomie fonctionnelle des lymphatiques des viscères à l'état normal et pathologique - Jdanov D.-A. Chaire d'Anat. Norm., I. Inst. de Méd., Moscou - ANN. ANAT. PATH. 1958, 3/2 (251-267) Illus. 17

This work is a survey of studies carried out by the author at the School of Anatomy of Moscow in the past few years. It is impossible to give a complete summary. The author and his collaborators, while studying the lymphatic system of a large number of organs (tongue, oesophagus, stomach, small intestine, colon, liver, pancreas, larynx, trachea, lungs, heart, kidneys, uterus, thyroid gland, etc.) in the normal and the pathological state (also experimentally provoked), demonstrated that there exists a rather close relationship between the morphofunctional condition of the organs and the behaviour of the lymph vessels so far as their morphology, topography and distribution are concerned. These investigations open up new vistas in the study of the function of the different organs and at the same time make it possible to obtain a better insight into the pathogenesis of the various diseases.

ZHDANOV, D.A. (Moskva, D-47, 5-ya Tverskaya, d.5, Stroyeniye 2, kv.12).

Significance of macro-microscopic investigations in the development of the functional and pathological morphology of the lymphatic system of the visceral organs. Arkh.anat., gist. i embr. 35 no.5:3-18 8-0 '58
(MIRA 11:12)

1. Kafedra anatomii (zav. - chlen-korrespondent AMN SSSR prof. D.A. Zhdanov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.

(LYMPHATIC SYSTEM, anat. & histol.
visceral, review (Rus))

ZHDANOV, D.A. (Moskva D-47, 5-aya Tverskaya Yamskaya, d. 5, stroeniye 2,
kv. 12)

Use of microroentgenography for the investigation of intraorganic
lymphatic vessels and capillaries. Arkh.anat.gist. 1 emb. 35
no.6:108-109 N-D '58. (MIRA 12:1)

1. Iz kafedry anatomii cheloveka I Moskovskogo ordena Lenina me-
ditsinskogo instituta imeni I.M. Sechenova (sav. kafedroy - chl.-
korr. AMN SSSR prof. D.A. Zhdanov).

(ANGIOGRAPHY,

intraorgan microangiography (Rus))

(LYMPHATIC VESSELS, radiography,

intraorgan microroentgenography (Rus))

ZHDANOV, D.A. (Moskva, D-47, 5 Tverskaya-Yamskaya, d. 5, str. 2, kv. 12)

Activities of the All-Union Society of Anatomists, Histologists
and Embryologists in the period 1949-1958. Arkh.anat.gist. 1
embr. 35 no.6:127-136 N-D '58. (MIRA 12:1)

1. Predsedatel' pravleniya Vsesoyuznogo nauchnogo obshchestva ana-
tomov, gistologov i embriologov.
(ANATOMICAL SOCIETIES)

ZHDANOV D. A.

AGONYEV, P.K., prof.; ANDREYEVA-GALANINA, Ye.TS., prof.; BASHENIN, V.A.,
prof.; BENENSON, M.Ye., doktor med.nauk; VISHENORODTSEVA, V.D.,
prof.; GESSEN, A.I., dotsent; GUTKIN, A.Ye., prof.; ZHDANOV, D.A.,
prof., laureat Stalinskoy premii; ZNAMENSKIY, V.F., prof.;
KLIONSKIY, Ye.Ye., prof.; MONASTYRSKAYA, B.I., prof.; MOSKVIN,
I.A., prof.; MUCHNIK, L.S., kand.med.nauk; PETROV-MASLAKOV, M.A.,
prof.; RUBINOV, I.S., prof.; RYSS, S.M., prof.; SMIRNOV, A.V.,
prof., zasluzhennyy deyatel' nauki; TIKHOMIROV, P.Ye., prof.;
TROITSKAYA, A.D., prof.; UDINTSEV, G.N., prof.; UFLYAND, Yu.M.,
prof.; FEDOROV, V.K., prof.; KHILOV, K.L., prof., zasluzhennyy
deyatel' nauki; VADKOVSKAYA, Yu.V., prof.; MARSHAK, M.S., prof.;
PETROV, M.A., kand.med.nauk; POSTNIKOVA, V.M., kand.med.nauk;
RAPOPORT, K.A., kand.biolog.nauk; ROZENTUL, M.A., prof.; YANKE-
LEVICH, Ye.I., kand.med.nauk; LYUDKOVSKAYA, N.I., tekhn.red.

[Book on health] Kniga o zdorov'e. Moskva, Gos.izd-vo med.lit-ry,
Medgiz, 1959. 446 p. (MIRA 12:12)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Zhanov, Udintsev). 2. Leningradskiy sanitarno-gigiyenicheskiy me-
ditsinskiy institut (for all, except Vadkovskaya, Marshak, Petrov,
Postnikova, Rapoport, Rozentul, Yankelovich, Lyudkovskaya).
(HYGIENE)

ZHDANOV, D.A.

"The Construction of Lymph Nodes with Reference to the Movement of Lymph and Lymphopoiesis."

paper presented at the CIBA Foundation Symposium on Haemopoiesis, Portland Place, London, 2-4- Feb 1960/

Department of Anatomy, First Medical Institute, Moscow.

ZHDANOV, D.A., prof.

The state of and measures for the development of basic medical
and biological research in the higher medical schools of the
R.S.F.S.R. Biul. Uch. med. sov. 3 no.4:3-13 J1-Ag '62.

(MIRA 17:8)

1. Chlen-korrespondent AMN SSSR.

ZHDANOV, D.A.; SAPIN, M.R.

Interorgan blood vessels of human hypophysis in the
functional aspect. Arkhiv. anat. gist. i embr. 43 no.10:
3-12 0'62. (MIRA 17:6)

1. Kafedra anatomii cheloveka (zav.-chlen-korrespondent AMN
SSSR prof. D.A. Zhdanov) I Moskovskogo ordena Lenina meditsinskogo
instituta imeni Sechenova. Adres avtorov: Moskova, prospekt K. Marksa,
18, I Moskovskiy ordena Lenina meditsinskiy institut, kafedra normal'-
noy anatomii.

ZHDANOV, D.A.; SHAKHIMOV, V.A.

Comparative electron microscopic study of the structure of walls of blood and lymph capillaries. Arkh.anat., gist. i embriol. no.20:13-18 0 1964. (MIRA 18:6)

1. Laboratoriya funktsional'noy anatomii (zav. - chlen-korrespondent AMN SSSR prof. D.A.Zhdanov) Institut morfologii cheloveka AMN SSSR. Adres avtorov: Moskva, K. Marksa, 13. Institut morfologii cheloveka AMN SSSR, laboratoriya funktsional'noy anatomii.

ZHDANOV, D.A.

Functional anatomy of capillary blood vessels. Arkh. anat.,
gist. 1 embr. 47 no.9:3-13 S '64. (MIRA 18:11)

1. Laboratoriya funktsional'noy anatomii Instituta morfologii
cheloveka AMN SSSR (zav. laboratoriyey - chlen-korrespondent
AMN SSSR prof. D.A. Zhdanov). Submitted June 12, 1964.

ZHDANOV, D.A.

Conference on improved teaching methods in anatomy. Arkh. anat.,
gist. 1 embr. 48 no.5:110-115 My '65. (MIRA 19:1)

1. Submitted December 26, 1964.

ZHDANOV, D.A. (Moskva)

Pathomorphology of the roots of the lymphatic system in the light of the function of lymph formation. Arkh. pat. 27 no.6: 3-13 '65.
(MIRA 19:1)

1. Kafedra anatomii (zav. - chlen-korrespondent AMN SSSR prof. D.A. Zhdanov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova. Submitted January 9, 1965.

ZHDANOV, D.A.

Problems and methods of teaching anatomy. Arkh. anat., gist.
i embr. 49 no.11:93-105 N '65. (MIRA 19:1)

1. Kafedra anatomii cheloveka (zav. - chlen-korrespondent AMN
SSSR prof. D.A. Zhdanov) 1-go Moskovskogo ordena Lenina medi-
tsinskogo instituta imeni Sechenova.

ZHDANOV, D.A.; POKROVSKIY, A.A.; NIKITYUK, B.A.; ZILLE, L.N.

Nomograms for determining body weight by body length and chest circumference based on measurements of present adult population of Moscow. Arkh.anat., gist. 1 embr. 49 no.10:33-42 0 '65.

(MIRA 18:12)

1. Kafedra anatomii cheloveka (zav. - chlen-korrespondent AMN SSSR prof. D.A.Zhdanov) 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova i Instituta pitaniya AMN SSSR. Submitted Nov. 3, 1964.

ZHDANOV, D.A. (Moskva, 5-ya Tverskaya-Yamskaya ul. 5, kv. 12)

The organ as an integral structure. Arkh. anat., gist. i embr.
46 no.1:50-61 Ja '64. (MIRA 18:4)

1. Kafedra anatomii (zav. - chlen-korrespondent AMN SSSR prof. D.A. Zhdanov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

ZHDANOV, D.A. (Moskva A-47, 5-ya Tverskaya-Yamskaya ul.d.5, str.2, kv.12)

Functional and morphological fundamentals of skeletal formation.
Ortop., travm i protez. 26 no.1:3-11 Ja '65.

(MIRA 18:5)

1. Iz kafedry anatomii cheloveka (zav. - chlen-korrespondent
AMN SSSR prof. D.A. Zhdanov) I Moskovskogo ordena Lenina medi-
tsinskogo instituta imeni Sechenova.

ZHDANOV, D.A.; NIKITYUK, B.A.

Age changes in body height and weight and in thoracic circumference in the present-day adult population of the city of Moscow. Arkh. anat., gist. i embr. 46 no.3:28-42 Mr '64.

(MIRA 17:12)

1. Kafedra anatomii cheloveka (zav. - chlen-korrespondent AMN SSSR prof. D.A. Zhdanov) i Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova. Adres avtirov: Moskva, Pr. K.Marksa, 18, I Moskovskiy ordena Lenina meditsinskiy institut imeni I.M. Sechenova. Kafedra anatomii cheloveka.

ZHDANOV, D.A. (Moskva, 5-ya Tverskaya-Yamskaya, 5, kv. 12)

On the 125th anniversary of the birth of Petr Frantsevich Lesgaft,
1837-1909. Arkhiv. anat., gist. i embr. 43 no. 9:104-113 S '62.
(MIRA 17:9)

1. Kafedra anatomi cheloveka (zav. - uhlen-korrespondent AMN
SSSR prof. D.A.Zhdanov) I Moskovskogo ordena Lenina meditsinskogo
instituta imeni Sechenova.

ZHDANOV, D.A. (Moskva, A-47, 5-ya Tverskaya-Yamskaya, ul.5, kv.12); FOMICHEVA,
T.D.

Andreas Vesalius and his painted portrait at the Hermitage Museum. Arkh.
anat., gist. 1 embr. 46 no.2:94-108 F '64. (MIRA 17:12)

1. Kafedra anatomii (zav. - chlen-korrespondent AMN SSSR prof. D.A.
Zhdanov) 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni
Sechenova i otdel zapadno-yevropeyskogo iskusstva Gosudarstvennogo
Ermitazha v Leningrad. Adres Fomichevoy: Leningrad, Gosudarstvennyy
Ermitazh, Otdel zapadnoyevropeyskogo iskusstva.

BAKULEV, A.N., otv. red.; DAVYDOVSKIY, I.P., red.; YEGOROV, B.G., red.;
ZHDANOV, D.A., red.; ZHUKOVSKIY, M.A., red.; LETAVET, A.A.,
red.; OREKHOVICH, V.N., red.; PARIN, V.V., red.; SERGIYEV,
P.G., red.; BEL'CHIKOVA, Yu.S., tekhn. red.

[Abstracts of scientific papers of the Academy of Medical Sci-
ences of the U.S.S.R. for 1956] Annotatsii nauchnykh rabot
Akademii meditsinskikh nauk SSSR za 1956 god. Otv. red. A.N.
Bakulev. Moskva, Medgiz. Books 2-3. 1959. (MIRA 17:2)

1. Akademiya meditsinskikh nauk SSSR.

ZHDANOV, D.A., prof.

In the Presidium of the Medical Council of the Ministry of Public
Health of the R.S.F.S.R. Zdrav.Ros.Feder. 7 no.1 '45-48 Ja '63.
(PUBLIC HEALTH SOCIETIES) (MIRA 1642)

ZHDANOV, D.A. (Moskva, A-47, 5-ya Tverskaya-Yamskaya ul.5, kv.12);
KRYLOVA, N.V. (Moskva, D-284, Begovaya ul., 11, kv.80)

Macro- and microscopic studies of the vascular system in malignant tumors. Arkh.anat., gist i embr. 43 no.7:27-50 J1 '62.

(MIRA 15:9)

1. Kafedra anatomii cheloveka (zav. - chlen-korrespondent AMN SSSR
prof. D.A.Zhdanov) Pervog moskovskogo ordena Lenina meditsinskogo
instituta imeni I.M.Sechenova.

(CANCER RESEARCH) (BLOOD VESSELS)

ZHDANOV, D.A.; NIKITYUK, B.A.

"Primates and anthropogenesis (monkeys, lemurs and the origin of man)" by M.F. Nostrukh. Reviewed by D.A. Zhdanov and B.A. Nikitiuk. Arkh. anat. gist. i embr. 41 no.8:118-119 Ag '61. (MIRA 15:6)

1. Adres avtorov: Moskva, Makhovaya ul., 11, I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova, kafedra normal'noy anatomii.

(MAN-ORIGIN) (PRIMATES)
(NOSTRUKH, M.F.)

ZHDANOV, D.A., red.; ZAZYRIN, N.I., red.; KAS'YANENKO, V.G., red.;
MIKHAYLOV, V.P., red.; SINEL'NIKOV, R.D. prof., otv. red.; TORSKAYA, I.V.,
red.; SHCHELKUNOV, S.I., red.

[Transactions of the All-Union Congress of Anatomists, Histologists
and Embryologists] Trudy Vsesoyuznogo s"yezda anatomov, gistologov i
embriologov. Khar'kov, M-vo zdravookhraneniia SSSR. Vol.1. 1961.
943 p.
(MIRA 15:10)

1. Vsesoyuznyy s"yezd anatomov, gistologov i embriologov. 6th, Kiev,
1958. 2. Predsedatel' Organizatsionnogo komiteta s"yezda anatomov,
gistologov i embriologov, Moskva (for Zhdanov). 3. Predsedatel'
Ukrainskogo nauchnogo obshchestva anatomov, gistologov i embriologov,
Kiev (for Kas'yanenko)
(ANATOMY--CONGRESSES) (HISTOLOGY--CONGRESSES)

ZHDANOV, D.A. (Moskva)

New data on the functional morphology of the lymphatic system
of the endocrine glands. Probl.endok.i gorm. 7 no.4:52-62
'61. (MIRA 14:8)

1. Iz kafedry anatomii cheloveka (zav. -- prof. D.A. Zhdanov)
I Moskovskogo ordena Lenina meditsinskogo instituta imeni
I.M. Sechenova.
(ENDOCRINE GLANDS) (LYMPHATICS)

ZHDANOV, D.A., prof.

Resolution of the Plenum of the Board of the All-Union Scientific Society of Anatomists, Histologists and Embryologists (Irkutsk, June 23-24, 1961). Arkh. anat. gist. i embr. 41 no.10:122-124, 0 '61. (MIRA 14:12)

1. Predsedatel' Prezidiuma pravleniya Vsesoyuznogo nauchnogo obshchestva anatomov, gistologov i embriologov, chlen-korrespondent AMN SSSR.

(ANATOMICAL SOCIETIES)

ZHDANOV, D.A.; AKMAYEV, I.G.; SAPIN, M.R.

Solution of controversial problems in the functional anatomy of blood circulation in the hypophysis. Arkh.anat.gist.i embr. 40 no.4:35-49 Ap '61.
(MIRA 14:5)

1. Kafedry anatomii I Moskovskogo ordena Lenina meditsinskogo instituta im. I.M.Sechenova i laboratoriya funktsional'noy anatomii Instituta normal'noy i patologicheskoy fiziologii AMN SSSR (zaveduyushchiy kafedroy i laboratoriyey - chlen-korrespondent AMN SSSR prof. D.A.Zhdanov). Adres avtorov: Moskva, Mokhovaya ul. 11, I Moskovskiy ordena Lenina meditsinskiy institut im. I.M.Sechenova, Kafedra normal'noy anatomii.

(PITUITARY BODY—BLOOD SUPPLY)

ZHDANOV, D.A., prof.

Present state of working out and introducing into practice new methods
for diagnosis, treatment and prevention of diseases in the institutes
of the Ministry of Public Health of the R.S.F.S.R. Biul.Uch. med.
sov. 2 no.4:3-9 J1-Ag '61. (MIRA 14:10)
(MEDICAL RESEARCH)

ZHDANOV, DLA. (Moskva)

Research by Hungarian morphologists; from impressions of a visit
to the Hungarian People's Republic. Arkh.anat.gist.1 abr. 38
no.4:117-125 Ap '60.

(HUNGARY-ANATOMICAL RESEARCH) (MIRA 14:5)

ZHDANOV, D.A. (Moskva, D-47, 5-ya Tverskaya-Yamskaya, 5, stroeniye 2, kv.12)

Senile changes in the lymphatic capillaries and vessels. Arkh. anat.
gist. embr. 39 no. 10; 24-36 0 '60. (MIRA 14:2)

1. Kafedra anatomii cheloveka (zav. - chlen-korrespondent AMN
SSSR prof. D.A. Zhdanov) I-go Moskovskogo ordena Lenina meditsinskogo
instituta imeni I.M. Sechenova.
(LYMPHATICS) (AGING)

ZHDANOV, D.A., prof.

Leningrad Medical Institute of Sanitation and Hygiene. Trudy ISGMI
36:5-15 '56. (MIRA 14:1)

1. Chlen-korrespondent AMN SSSR.
(LENINGRAD. PUBLIC HEALTH STUDY AND TEACHING)

ZHDANOV, D.A., prof.

Lymphatic system. Zdorov'e 6 no.8:9-10 Ag '60.

(MIRA 13:8)

1. Chlen-korrespondent AMN SSSR.

(LYMPHATICS)

ZHDANOV, Dmitriy Arkad'yevich, doktor med. nauk, prof., red.;
 ZAZYBIN, Nikolay Ivanovich, zasl. deyatel' nauki, doktor
 med. nauk, prof., red.; KAS'YANENKO, Vladimir Grigor'yevich,
 doktor nauk, prof., akademi, red.; MIKHAYLOV, Vladimir
 Pavlovich, doktor biol. nauk, prof., red.; SINEL'NIKOV,
 Rafail Davidovich, doktor med.nauk, prof., red.; TORSKAYA,
 Iya Vladimirovna, kand. biol. nauk, st. nauchn. sotr., red.;
 SHCHELKUNOV, Serafim Ivanovich, doktor nauk, prof., red.

[Transactions of the Sixth All-Union Congress of Anatomists,
 Histologists and Embryologists] Trudy Vsesoyuznogo s"ezda
 anatomov, gistologov i embriologov. Khar'kov, M-vo zdrazvo-
 okhraneniia SSSR. Vol.2. 1961. 791 p. (MIRA 16:12)

1. Vsesoyuznyy s"yezd anatomov, gistologov i embriologov.
 6th, Kiev, 1958. 2. Chlen-korrespondent AMN SSSR (for Shchelnkunov,
 Zhdanov, Zazybin). 3. Akademiya nauk Ukr.SSR i Institut zo-
 ologii AN UkrSSR (for Kas'yanenko).

(Continued on next card)

ZHDANOV, Dmitriy Arkad'yevich --- (continued). Card 2.

4. Institut eksperimental'noy meditsiny AMN SSSR (for
Mikhaylov). 5. Kafedra normativnoy anatomii Khar'kovskogo
meditsinskogo instituta (for Sinel'nikov). 6. Institut
fiziologii im. A.A.Bogomol'tsa AN Ukr.SSR (for Torskaya).
(ANATOMY--CONGRESSES)
(HISTOLOGY--CONGRESSES)
(EMBRYOLOGY--CONGRESSES)

ZHDANOV, P.F.

Calculating spark suppressor circuits. Elektrosvias' 11 no.6:47-
51 Je '57. (MLRA 10:6)

(Telephone)

ZHDANOV, F. F.

ELECTRONIC APPLICATIONS

"Design of Spark-Quenching Circuits," by F. F. Zhdanov, Elektrosvyaz',
No 6, June 1957, pp 47-51

Equations are derived for a variety of spark-quenching circuits to
operate under various conditions. The results are tabulated, and the
limits of the validity of all these equations are indicated in the ta-
ble.

Card 1/1

- 24 -

AUTHOR: Zhdanov, G.

-107-58-7-31/43

TITLE: The "Zenit" Television Set with the 35LK2B Kinescope
(Televizor "Zenit" na kineskope 35LK2B)

PERIODICAL: Radio, 1958, Nr 7, p 47 (USSR)

ABSTRACT: The author discusses the changes that must be made in the wiring and situation of the various components to convert the "Zenit" television set for use with a 35LK2B kinescope. There is 1 diagram and 1 circuit diagram.

1. Television receivers--Modification 2. Television tubes--Applications

Card 1/1

LEVANDOVSKIY, B.; MASLOVSKIY, V.; FELINZAT, B.; LISITSYN, Yu.; KAREYEV, M.;
BOBROV, N.; ZHDANKOV, G.

Rebuilding television sets for new picture tubes. Radio no.7:
38-47 J1 '58. (MIRA 11:9)

(Television--Receivers and reception)
(Television--Picture tubes)

ZHDANOV, G.

"Chemotherapy of cancer, considered as a virus disease. Part 1:
The aldehydes." [in French]. J.Solomides. Reviewed by G.Zhdanov.
Sovr.probl.onk. 6 no.8:98-100 '54. (MLRA 7:11)
(Cancer) (Aldehydes--Therapeutic use) (Solomides, J.)

ZHDANOV, G.A.

On the convergence of a modification of Galerkin's method.
Dokl. AN SSSR 115 no. 2:223-225 J1 '57.

(MIRA 10:12)

1. Predstavleno akademikom M.V. Keldyshem.
(Eigenvalues) (Spaces, Generalized)

AUTHOR: Zhdanov, G.A.

20-2-6/62

TITLE: On the Convergence of a Modification of Galerkin's Method.
(O skhodimosti odnogo vidoizmeneniya metoda Galerkina,)

PERIODICAL: Doklady Akad.Nauk SSSR, 1957, Vol 115, Nr 2, pp. 223-225 (USSR)

ABSTRACT: N.N.Pol'skiy, Ukr.matem.zhurn., 1955, Vol. 7, Nr 1 investigated the convergence of the generalized method by Galerkin for a linear equation of the type $Au + B(\lambda)u = f$ and a certain Hilbert (Gilbert) space, where A is assumed as positively defined self-adjointed operator. The present report shows that the existence of a certain modification of Galerkin's method also applies in the case of less strong limitations imposed to the operator A . In the interval $0 < x < 1$ the author investigates the equation $L[y] + y^{(n)} + \sum_{j=0}^{n-1} p_j(x, \lambda) y^{(j)} = f(x)$ under the boundary conditions:

$$U_i[y] = \sum_{k=0}^{n-1} [\alpha_{ik} y^{(k)}(0) + \beta_{ik} y^{(k)}(1)] = 0 \quad (i = 1, 2, \dots, n)$$

In this connection n is any natural number. The approximate solution of this problem is put down in the form $y_N = \sum_{k=1}^N \gamma_k^{(N)} \varphi_k$

where the constants $\gamma_k^{(N)}$ are determined from the system $(L[y_N] - f, \varphi_i) = 0$

Card 1/2

Then the following theorems apply:

On the Convergence of a Modification of Galerkin's Method.

20-2-6/62

Theorem 1: The functions y_N and their derivatives of a smaller order than n converge uniformly to the solution and to the corresponding derivatives of the solution of the problem (L) and the sequence $\{y^{(n)}\}$ converges in the mean to the n -th derivative of the solution. The eigenvalues of the problem (L) are boundary values of the eigenvalues of the system $(L[y_N] - f, \psi_i) = 0$ ($i = 1, 2, \dots, N$)

Theorem 2: As functions φ_k polynomials can be chosen everywhere. Then the following problems are examined: In the domain Q of an n -dimensional space the elliptic equation $L[u]$

$$+ \sum_{i=1}^n b_i \frac{\partial u}{\partial x_i} + cu = f \quad \sum_{i,k=1}^n a_{ik} \frac{\partial^2 u}{\partial x_i \partial x_k} +$$

with the coefficients b_i and c depending linearly on a parameter λ may be investigated. Moreover there is the boundary condition $u = 0$ on the limit of the domain Q . Further may be examined in Hilbert's (Gilbert's) space H an equation of the type $Lu \quad Au + B(\lambda) u = f$, where A and $B(\lambda)$ are linear operators in H . There are 2 references and 2 of which are Slavic.

PRESENTED: February 7, 1957 by Keldysh, M.V., Academician

SUBMITTED: November 13, 1957

AVAILABLE: Library of Congress.

Card 2/2

16.4600 16.3400 16.3500

S/044/617000/002/006/015
C111/C222

AUTHOR: Zhdanov, G.A.

TITLE: On an approximation method for the solution of boundary value problems

PERIODICAL: Referativnyy zhurnal, Matematika, no.2, 1961, 51, abstract 2B 267 ("Uch.zap.Permak.un-ta", 1958, 16, no.3, 75-100)

TEXT: The author proves the convergence of the direct momentum method for the equation $Au + B(\lambda)u = f$, where A and B are linear operators in the Hilbert space H, and the norm of B depends analytically on λ . It is assumed that the operator BA^{-1} is completely continuous. Cases of boundary value problems for ordinary differential equations and for elliptic partial differential equations are considered in detail. The theorems of convergence are analogous to the results of A.D.Lyashko (R Zh. Mat., 1958, 8926) and A.Ye.Martynyuk (R Zh Mat, 1958, 8925).

[Abstracter's note: Complete translation.]

Card 1/1

S/044/62/000/012/006/049
A060/A000

AUTHOR: Zhdanov, G.A.

TITLE: On the equivalence of boundary problems for ordinary differential equations

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1962, 38, abstract 12B171
(Uch. Zap. Permsk. un-t, 1960, v. 17, no. 2, 73 - 78)

TEXT: It is demonstrated that in the case of every homogeneous boundary problem for an ordinary linear homogeneous differential equation of an odd order $2n - 1$ with homogeneous boundary conditions, it is possible to show a boundary problem for an ordinary linear homogeneous differential equation of an even order $2n$ with homogeneous boundary conditions of the same form being equivalent to it. ✓

R.S. Gusarova

[Abstracter's note: Complete translation]

Card 1/1

ZHDANOV, G. B., doktor fiziko-matematicheskikh nauk

Through space into the microworld, Nauka i zhizn' 29 no.9:54-60
S '62. (MIRA 15:10)

(Cosmic rays)

ZHDANOV, G. A. Genl Phys-Math Sci -- (diss) "On the convergence of a
modification of the Galerkin method." Perm', 1957. 9 pp including cover
(Perm' State Univ in A. M. Gor'kiy), 100 copies. Bibliography: ⁷ 9 (10 titles)
(KL, 14-58, 109)

68-

ZHDANOV, G. D

USSR/Nuclear Physics - Cosmic Radiation
Nuclear Physics - Equipment

Nov/Dec 46

"The Measurements of the Intensity of the Cosmic Radiation by the Telescope Method," S. Azimov, V. Veksler, N. Dobrotin, G. Zhdanov, A. Lubimov, Lebedev Phys Inst, Acad Sci USSR, 7 pp

"Journal of Physics USSR" Vol X, No 6

Demonstrates two factors, scattering in counter walls and side showers, which influence measurements of soft components; in hard and soft components intensity measurements by different "telescopes." Formulates requirements for correct measurements in use of telescope method. Received, 26 Apr 1946.

PA 54774

Measurements of cosmic-ray intensities by the telescope method.
 S. A. Azimov, V. I. Veksler, N. A. Dobrotin, G. B. Zhdanov, and A. L. Lyubimov.
 Zhur. Eksptl. Teoret. Fiz. 17, 79-86 (1947); J. Phys. (U.S.S.R.) 10, 507
 (1946) (in English).--Various authors have obtained widely different results
 for cosmic-ray intensities because of failure to correct adequately for scatter-
 ing in the walls of the counter, and for showers from the same source. Walls
 of counters used in telescopes should be thin (say 0.27 g./cm.^2), and made of
 a material of low Z. Telescopes should occupy a large solid angle. Any
 filters should be placed above the lowest counter, and should not exceed the
 counter's solid angle. Corrections for sidewall showers should be made for
 both hard and soft components.
 Cyrus Feldman

AZIMOV, S.A.; VEISLER, V.I.; ZHDANOV, G.B.; LYUBIMOV, A.L.

Measurements of cosmic rays intensity at 3860 and 5000 m above sea level.
Zhur.eksp. i teor.fiz. 17 no.1:87-91 '47. (MIRA 6:7)

1. Fizicheskii institut im.P.N.Lebedeva Akademii Nauk SSSR.

(Cosmic rays)

ZHDANOV, G. B.

USSR/Physics

Jan 1947

Cosmic Radiation
Radiation, Corpuscular

"Increase of the Cosmic-ray Shower with Height,"
G. B. Zhdanov, A. L. Lyubimov, 4 pp.

"Izvest. Ak. Nauk SSSR" Vol. IV, No. 2

Presented by S. I. Yavliov, published 28 Jul 1946.
by V. N. Lebedeva of the Physics Institute, Academy
of Sciences of the USSR. In 1945 the Pamir Expedition
of the Physics Institute carried out a count
on the variation of cosmic ray showers with increasing
altitudes. Two types of measuring apparatus were
used - one containing a 6-millimeter, the other a 10-
millimeter lead coat. Calculations were made at
900, 3860, and 5,000 meters above sea level.

20150

USSR/Nuclear Physics - Cosmic Radiation Jun 48
Nuclear Physics - Mesons

"Slow Mesons at the Altitude 900-4,700 Meters,"
G. B. Zhdanov, A. A. Naumov, Phys Inst Imeni P. N.
Lebedev, Acad Sci USSR, 24 pp

"Dokl Ak Nauk SSSR" Vol IX, No 9 - 1947-1948

In 1946 authors built apparatus for registering
penetrating mesons. Design is similar to Rossi's.
(Phys Rev 72, 120, 1947). Used in Pamirs in 1947
to determine role of secondary slow mesons gener-
ated and present at heights of 4-5 km along with
clouds of "runs" of high-energy mesons from strato-

6/4/9192

USSR/Nuclear Physics - Cosmic Radiation Jun 48
(Contd)

sphere. First experiments show absorption of slow
mesons in atmosphere and in dense substances.
Second group was to determine ionization, if any,
accompanying mesons. Results are reproduced and
discussed. Submitted 29 Apr 48.

6/4/9192

PA 6/4/9192

ZHDANOV, G. B.

ZHDANOV, G. B.

155T52

USSR/Nuclear Physics - Mesons
Counters

Dec '49

"Disintegration and Nuclear Interactions of 'Stopped'
Charged Mesons," G. B. Zhdanov, 60 pp

"Uspekhi Fiz Nauk" Vol XXXIX, No 4

Survey of foreign and Soviet works on the meson
discusses: method of delay coincidences with coun-
ters, Wilson cloud chamber, photoplate method, mag-
netic analysis, nuclear capture of "stopped nega-
tive mesons, probable theoretical picture on nature
and properties of mu- and pi-mesons, and decay and
nuclear capture of mu-mesons.

155T52

ANDANTY, J. B.

PA 39/49T96

USSR/Nuclear Physics - Mesons. Mar 49
Disintegration of
Nuclear Physics - Spectra

"Electron Spectrum in Meson Disintegration," G. B.
Zakharov, A. A. Khaydarov, Phys Inst Imeni P. N.
Lebedev, Acad Sci USSR, 3 pp

"Dokl Ak Nauk SSSR" Vol LXV, No 3

Used method of delay coincidences to establish the
form of electron spectra. Studied dependence of
these spectra on observation height, on substance
in which disintegration occurs, and on studied
energy interval of the mesons. Attempts to establish
the nature of charged disintegration products.

39/49T96

USSR/Nuclear Physics (Contd)

Mar 49

Submitted by Acad D. V. Skobel'tsyn, 27 Jan 49:

39/49T96

ZHDENV, G. B.

PA 38/49T99

USSR/Nuclear Physics - Mesotrons
Nuclear Physics - Particles,
Elementary
Apr 49

"Study of Slow Mesons by the Method of Delay
Coincidence," G. B. Zhdanov, A. A. Naumov,
Phys Inst Imeni P. N. Lebedev, Acad Sci USSR, 10 pp

"Zhur Eksp 1 Teoret Fiz" Vol XIX, No 4

Describes one of the variations of radio circuit
which is able to register delay coincidences,
and details methods used to calibrate and control
the device. Gives results obtained using this
method: complete number of slow mesons at altitudes
38/49T99

USSR/Nuclear Physics - Mesotrons
(Contd)
Apr 49

up to 5 km, number of mesons generated at height
of about 4 km, and general characteristics of the
spectrum for the energy range 0-160 Mev. Submitted
11 Jun 48.

38/49T99

1. ZHDANOV, G. B.
2. USSR (600)
4. Physics and Mathematics.
7. Atomic Physics. By E. V. Shpol'skiy. (Sec. Ed. Vol. 1, 1949, Vol. 2, 1950, Moscow-Leningrad, State Technical Press.). Reviewed by G. B. Zhdanov. Sov. Kniga, No. 9, 1950.
9. Report U-3081, 16 Jan. 1953. Unclassified.

ZHDANOV, G. B.

Cosmic rays. Izd. 2., perer. i dop. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1950. 138 p. (50-37326).

QC485.Z5 1950

1. ZHDANOV, G. B.
2. USSR (600)
4. Physics and Mathematics
7. Principles of Theory of Atomic Nuclei, Ya. I. Frenkel'.
(Moscow-Leningrad, Acad Sci USSR Press, 1950).
Reviewed by G. B. Zhdanov, Sov. Kniga, No. 4, 1951.

9. ~~SECRET~~ Report U-3081, 16 Jan. 1953, Unclassified.

COMMON ELEMENTS										COMMON VARIABLE MOET									
100 AND 100000										100 AND 100000									
<p>150</p> <p>THE NATURE OF PENETRATING PARTICLES IN ELECTRON-NUCLEAR SHOWERS. N. Birger, G. Zhdanov, V. Polynov, and S. Shvachkin. <i>Zhur. Khim. i Teor.</i> Fig. 20, 478-9(1960) May. (Letter to editor; in Russian)</p> <p>While it is established (Birger et al., <i>Zhur. Khim. i Teor.</i> Fig. 19, 836(1960)) that the soft component of the "electron-nuclear" showers consists of electrons and photons, very little is known about the hard rays (Rochester et al., <i>Proc. Phys. Soc.</i> 61, 307, 535(1948)). Using a cloud chamber in a magnetic field and a hodoscope, the authors were able to observe (in a total of 18 cases) the predominance of protons among penetrating particles of small energy ($pc \leq 1.3 \times 10^7$ ev), and the presence of a certain number of lighter particles of both signs.</p>																			
<p>ASB-15A METALLURGICAL LITERATURE CLASSIFICATION</p>																			
100000 100000 100000 100000 100000 100000 100000 100000 100000 100000										100000 100000 100000 100000 100000 100000 100000 100000 100000 100000									

ZHDANOV, G.

USSR/Nuclear Physics - Mesons

Aug 50

"Origin of Secondary Slow Mesons in the Atmosphere," A. Abdullayev, G. Zhdanov, Yu. Kamenetskiy, A. Naumov, A. Khaydarov, Phys Inst imeni Lebedev, Acad Sci USSR

"Zhur Eksper i Teoret Fiz" Vol XX, No 8, pp 673-683

Authors reveal and discuss experimental data obtained by them on properties of slow mesons with lifetime of 2 microsec. Of several possible assumptions on mechanism governing generation of such mesons in the atmosphere, most probable is decay process of other mesons possessing greater mass and smaller lifetimes. Submitted 9 Feb 50.

PA 165T52

ZHDANOV, G. B.

"Nuclear Processes in Cosmic Rays" Uspekhi Fiz. Nauk 40, p. 143 (1950)
(A Review of Russian and International Law)

1ST AND 2ND ORDER		PROCESSES AND PROPERTIES INDEX	
4312		<p>On the Transition Effect in the Positive Excess of Slow Mesons. G. B. Zhdanov and A. A. Khaldarov. Doklady Akad. Nauk S.S.S.R. 71, 33-5(1950)(in Russian).</p> <p>By the method of delayed coincidences, a study was made of the "positive effect" δ of slow mesons of 2 μsec half-lifetime, in air and under dense materials. The values of $\delta = 2(n^+ - n^-)/(n^+ + n^-)$, (where n^+ and n^- are, respectively, the numbers of positive and negative mesons), were determined by using, successively, Al and C absorbers, in which the mesons stopped and decayed; the number of such mesons (per unit time) is, approximately, $n = n^+ + n^-$ in the case of an Al absorber ($Z \approx 10$), while it is $n = n^+$ in the case of a C absorber ($Z \approx 10$); certain corrections compensate for the inexactitude of these equations. The following values of δ were found: -0.27 ± 0.09 in air; $+0.15 \pm 0.06$ under 40 g/cm² C; and $+0.06 \pm 0.06$ under 140 g/cm² Pb. The peculiar transition effect of δ can be explained by assuming that some of the recorded mesons are generated by certain short-lived low-energy mesons of the π type; such an assumption does not contradict the existing data on the transition effect of π mesons of both signs (Harding, Nature 164, 285(1949)), and it can be concluded from the foregoing values of δ that the range of the "short-lived" mesons does not exceed ~ 40 g/cm² of matter and that at least 70% of them are negative.</p>	
<p>ASB.56A METALLURGICAL LITERATURE CLASSIFICATION</p>		<p>EXTRACTED FROM</p>	

Translation -
W-10488,
22 May 50

S.B.
Section A.

537,591.13

0004. Investigation of the neutron component of the electronic and nuclear showers by the method of the "delayed coincidences." A. ABDULLAYEV, G. ZHIDANOV, L. KORABLEV AND A. KHALIDAROV. Letter in *Zh. Eksp. i Teor. Fiz.* 21, 1079-80 (No. 9, 1951) in Russian.

The authors describe in general terms the improvements in the method of delayed coincidences which they introduced in their apparatus for the investigation of the showers, produced by cosmic rays. Their aim was to separate more accurately and reliably the records of the particles appearing as a result of the nuclear disintegrations and ionizations caused by the incoming particles from the direct records of the latter.

M. S. JAPOLNEY

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064620002-9

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064620002-9"

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APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064620002-9"

PHASE X TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 760 - X

BOOK

Call No.: QC485.Z5

Author: ZHDANOV, G. B.

Full Title: COSMIC RAYS (Third issue, revised and completed)

Transliterated Title: Luch1 iz mirovykh glubin

PUBLISHING DATA

Originating Agency: None

Publishing House: State Publishing House of Technical and Theoretical Literature

Date: 1952

No. pp.: 123

No. of copies: 50,000

Editorial Staff: None

PURPOSE AND EVALUATION: This book is intended for popular reading, and especially for high school seniors. Its value lies in the fact that it expounds, although in a very popular manner, the basic theories on cosmic rays, mentioning the names of Soviet and foreign scientists working in this field. The achievements of Soviet scientists are stressed.

TEXT DATA

Coverage: The book is divided into 7 chapters. The introduction gives a short review of the theory of "mass-energy". The book itself deals with cosmic rays, their discovery, the various theories and hypotheses and describes briefly the equipment used in their detection. Only Soviet scientists' research is given

1/4

• Luchi iz mirovykh glubin

AID 760 - X

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Annotated Table of Contents	Pages
Introduction	3-4
Ch. 1 A Failure Which Started a Discovery	5-13
<p>The title of this chapter refers to experiments of Victor Hess and Kolhorster. The early research of Soviet scientists Mysovskiy and Tuvim in 1925 is mentioned. Research conducted by Professor Verigo in a 'submarine and on Mt. Elbrus Glacier as well as the stratostat SSSR-1's 19 km upward flight in 1933 with Soviet scientists Prokof'yev, Birnbaum and Godunov are reported.</p>	
Ch. 2 The Way to See an Invisible Ray	14-31
<p>The research of Academician D.V.Skobel'tsyn in 1927 with a Wilson's chamber. A.P. Zhdanov's research on protons in 1934 is mentioned.</p>	
Ch. 3 Rays or Particles?	32-38
<p>Research on cosmic rays in upper atmospheric layers by Professor S. N. Vernov in 1934 and his expedition to the equator in 1937.</p>	

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Luchi iz mirovykh glubin

AID 760 - X

Pages

- Ch. 4 Research by O. N. Vavilov on the Path of Charged Particles Through Lead and Through the Atmosphere. 39-62
Research by Frank and Groshev on positrons. Photo of a shower in a Wilson's cloud chamber with horizontal lead plates. The theory of "cascades" developed by Belen'kiy. Research on the amount and energy of the particles in a cloud conducted by Skobel'tsyn, Migdal and Pomeranchuk. Experiments on the geomagnetic effect (effect of azimuth asymmetry of cosmic rays) by Vernov in 1949.
- Ch. 5 Heavy Electron or Heavy Photon? 63-85
Research on neutrons by D. D. Ivanenko.
- Ch. 6 Rays Shattering the Nucleus 86-110
Research on neutrons with photographic emulsion 9,000 m above sea level by A.P.Zhdanov. Work of Zhdanov and Vambakher on experiments in using the "hodoscope" in the Pamir Mts in 1945. Research on electron showers by Skobel'tsyn and Dobrotin. Research on cosmic rays' composition

3/4

Luchi iz mirovykh glubin

AID 760 - X

Pages

and properties, on electron showers and on primaries by Vernov, Skobel'tsyn Dobrotin and Zatsepin.

Ch. 7 Can We Speak of a Practical Use (Utilization) of Cosmic Rays?

111-121

Research on acceleration of charged particles made by Professor Veksler in 1944, and the development of the "phasotron" and the "synchrotron". Terletskiy's research on the Fermi theory in 1951.

No. of References: None

Facilities: For names of Russian scientists, see table of contents.

4/4

"APPROVED FOR RELEASE: 07/19/2001

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APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064620002-9"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064620002-9

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064620002-9"

ZHDANOV, G.B.

New elementary particles in the make-up of cosmic rays. Izv. AN SSSR, Ser.
fiz. 17 no.1:95-101 Ja-F '53. (MLRA 6:7)

1. Fizicheskiy institut imeni P.N. Lebedeva Akademii nauk SSSR.
(Cosmic rays)

ZHDANOV, G.B.; KADER, Ya.M., redakter; DOBROTIN, N.A., konsul'tant, doktor
fiziko-matematicheskikh nauk, professor; SRIBNIS, N.V., tekhnicheskii
redakter.

[Cosmic rays] Kosmicheskie luchy. Moskva, Voen.izd-vo Ministerstva
oborony SSSR, 1954. 34 p. (MIRA 8:5)
(Cosmic rays)

"APPROVED FOR RELEASE: 07/19/2001

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Zhdanov, G. B.

USSR/Physics

Card 1/1 Pub. 118 - 3/2

Authors : Zhdanov, G. B.

Title : Generation of π -mesons of cosmic radiation by nuclei of medium energies

Periodical : Usp. fiz. nauk 54/3, 435-468, Nov 1954

Abstract : An analysis of the process of formation of π -mesons by nuclei of cosmic radiation of the 10^3 - 10^{10} ev energy range is presented. The pion camera, and the photo-emulsion methods were mainly used in obtaining the experimental data. Distribution of generated mesons in the energy range of the nuclei of the radiation with the help of the pion camera and the photo-emulsion results are given in the form of graphs. The various methods of obtaining the results are described and discussed. (English text, 1954). Tables; diagrams.

Institution : ...

Submitted : . .

ZHDANOV, Georgiy Borisovich, kandidat fiziko-matematicheskikh nauk; KIPNIS,
S.Ye., redaktor; DMITRIYEVA, R.V., tekhnicheskij redaktor

[Cosmic rays in the service of modern science] Kosmicheskie luchy
na sluzhbu sovremennoi nauki. Moskva, Izd-vo "Znanie," 1955. 30 p.
(Vsesoyuznoe obshchestvo po rasprostraneniю politicheskikh i
nauchnykh znaniy, Ser. 3, no.12). (MLRA 8:7)
(Cosmic rays)

GOLUBEV, Aleksandr Ignat'yevich; ZHDANOV, G.B., redaktor; LARIONOV,
G. Ye., tekhnicheskii redaktor.

[High-speed automatic switches] Bystrodeistvuiushchie avtomati-
cheskie vykliuchateli. Moskva, Gos.energ.ind-vo, 1955. 191 p.
(Electric switchgear) (MLRA 8:9)

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GOL'DANSKIY, V.I.; ZHDANOV, G.B.; NESTEROVA, N.M.; CHUDAKOV, A.Ye.

Cerenkov radiation in extensive air showers. Izv.AN SSSR.Ser.fiz.19
no.6:747-748 N-D. '55. (MLRA 9:4)

1.Fizicheskiy institut imeni P.N.Lebedeva Akademii nauk SSSR.
(Cosmic rays) (Nuclear physics)

Name: ZHDANOV, Georgiy Borisovich

Dissertation: Studies on the Elementary Act of Generation of Slow Mesons in Cosmic Radiation

Degree: Doc Phys+Math

Affiliation: /Not indicated/

Defense Date, Place: 20 Jun 55, Council of Physics Institute imeni Lebedev, Acad Sci USSR

Certification Date: 27 Oct 56

Source: BMVO 6/57

ZHDANOV, G.B., redaktor; FRADKIN, M.I., redaktor; NAKHIMSON, I.G., redaktor;
SHAPOVALOV, V.I., tekhnicheskii redaktor.

[Primary cosmic radiation (composition, variation in intensity, and problems of its origin) a collection of articles. Translated from the English and German] Pervichnoe kosmicheskoe izluchanie; sostav, variatsii intensivnosti i problemy proiskhozhdeniia. Sbornik statei. Perevody s angliiskogo i nemetskogo. Pod red. G.B.Zhdanova i M.I. Fradkina. Moskva, Izd-vo inostrannoi lit-ry, 1956. 304 p. (MLRA 9:6)
(Cosmic rays)

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C-7

Category : USSR/Nuclear Physics - Cosmic rays

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 646

Author : Zhdanov, G.B.,

Inst : Phys. Inst., Acad of Sciences USSR

Title : Method of Delayed Coincidences Plus Hodoscope and its Application to the Study of the Processes of Generation of Slow Mesons in Cosmic Rays. I. Experimental Procedure.

Orig Pub : Zh. eksperim. i. teor. fiziki, 1956, 30, No 3, 437-449

Abstract : Description of the operating principles of the fundamental units of a hodoscope employing delayed coincidences using cells containing filamentless MTKh-90 thyatron, making it possible to investigate the generation of slow $\pi^+ \pi^-$ mesons in dense media with subsequent $\pi^- \rightarrow \mu^- e$ decay within the confines of the apparatus. The hodoscope is constructed in two versions, so that the problem can be stated in two ways: By choosing nuclear interactions of a definite class (in particular, electron-nuclear showers), it is possible to investigate the frequency, the energy, or the angular distribution of the slow π mesons forming in these interactions. In the second version it is possible to investigate the frequency of formation of mesons

Card : 1/2

Category : USSR/Nuclear Physics - Cosmic rays

C-7

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 646

in the installation itself and the properties of the nuclear interactions accompanied by such generation. The method permits determination of the particle-energy region of the particles that make the basic contribution to the generation of slow mesons, the intensity at which various nuclei are generated in this energy range, and the energy spectrum of the slow mesons at the point where they are produced. A detailed analysis is given of the apparatus effects and of the corrections needed for the determination of these quantities. The experimental results will be published in the second part of the article.

Card : 2/2

ZHDANOV, G.B.

Category : USSR/Nuclear Physics - Elementary Particles

C-3

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 421

Author : Birger, N.G., Guseva, V.V., Zhdanov, G.B., Slavatinskiy, S.A.,
Stashkov, G.M.

Inst : Phys. Inst., USSR Acad. of Sciences

Title : Certain Cases of Generation of Heavy Particles by Nuclei of Be Atoms.

Orig Pub : Zh. eksperim. i teor. fiziki, 1956, 30, No 3, 590-591

Abstract : A Wilson chamber placed in a magnetic field and located at an altitude of 3860 meters above sea level recorded three showers, generated in Be, in which the formation and decay in flight of Σ^+ , Λ^0 , and Θ^0 heavy particles. The angles φ between the plane of generation of the unstable particle and the plane of its decay are $57 \pm 10^\circ$, $74 \pm 10^\circ$, and $15 \pm 5^\circ$ respectively. These results can be compared with the fact that in the case of pair generation of hyperons and K-particles by π^- -mesons and H, the angle φ is in every case less than or equal to 40° . The difference in the results obtained is apparently due to the presence of secondary processes occurring inside the Be nucleus (scattering of hyperons or creation of hyperons by secondary particles of the shower).

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